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Joseph P. O'Malley

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Patent

Attorney's Docket No. 032795-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT
APPLICATION TRANSMITTAL LETTER

Box PATENT APPLICATION

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

Enclosed for filing is the utility patent application of John R. Stevens for Workers' Compensation Information Processing System.

Also enclosed are:

- ☒ 20 sheet(s) of ☐ formal ☒ informal drawing(s);
- ☐ a claim for foreign priority under 35 U.S.C. §§ 119 and/or 365 is ☐ hereby made to filed in on ;
☐ in the declaration;
- ☐ a certified copy of the priority document;
- ☐ a General Authorization for Petitions for Extensions of Time and Payment of Fees;
- ☐ statement(s) claiming small entity status;
- ☐ an Assignment document;
- ☐ an Information Disclosure Statement; and
- ☐ Other: .
- ☒ An ☐ executed ☒ unexecuted declaration of the inventor(s)
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- ☐ Please amend the specification by inserting before the first line the sentence --This application claims priority under 35 U.S.C. §§119 and/or 365 to _ filed in _ on _; the entire content of which is hereby incorporated by reference.--
- ☐ A bibliographic data entry sheet is enclosed.

☒ The filing fee has been calculated as follows ☐ and in accordance with the enclosed preliminary amendment:

C L A I M S					
	NO. OF CLAIMS		EXTRA CLAIMS	RATE	FEE
Basic Application Fee					\$690.00 (101)
Total Claims	54	MINUS 20 =	34	x \$18.00 (103)	612.00
Independent Claims	10	MINUS 3 =	7	x \$78.00 (102)	546.00
If multiple dependent claims are presented, add \$260.00 (104)					
Total Application Fee					1,848.00
If verified Statement claiming small entity status is enclosed, subtract 50% of Total Application Fee					
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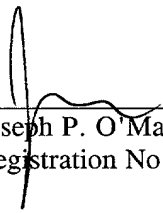
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Respectfully submitted,

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Joseph P. O'Malley

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Workers' Compensation Information Processing System

Background of the Invention

The present invention relates to Workers' Compensation information processing systems.

5 Workers' compensation is a class of insurance mandated by States and the federal government whereby employers provide employees with medical and disability benefits for injuries or illness incurred in the course and scope of their employment. Unlike other classes of insurance, workers' compensation insurance does not require written documentation that identifies individual covered
10 employees.

 Workers' compensation insurance obtained from an insurer, or which is financed by the employer (self-insurance), is based upon underwriting criteria that includes payroll, number of employees, job classifications, aggregated loss experience (non-personal) and actuarial modifiers. Insurers and self-insurers -
15 payers - typically do not maintain lists of covered employees.

 For this reason, when an employee incurs an injury or illness and seeks treatment, matching the claim to the payer responsible for payment is difficult. Typically neither the injured employee nor the medical provider knows or has

access to the workers' compensation claim identifier the payer requires to make a payment for medical services rendered. Identity of the payer typically also is not known. This leads to delays in claim administration, poor coordination of treatment between the payer and the provider (often to the detriment of the injured employee) and untimely payment for medical services rendered.

When the work-related injury or illness occurs, the employer must report the occurrence to the payer (insurer, self-insurer, or third-party administrator), who then creates a claim file with a specific claim number. All subsequent communications and transactions depend on, are routed and administered according to this claim number. The claim number is essential to efficient operation of a workers' compensation system. The claim number is the payer's key identifier for file management, work flow routing, document matching, data capture and payment transactions. In order to receive prompt payment, a medical provider must provide the claim number when submitting bills and reports. It is often the case that the provider has no knowledge of or access to the claim number.

Providers such as physicians and pharmacists will often send bills without the claim number because a claim number has not been assigned, or because of the administrative difficulties of obtaining the claim number. Bills without the claim numbers produce a substantial burden of unmatched mail for the payer.

One Workers' Compensation industry survey has indicated that as many as fifty percent of provider bills, reports and attachments are received by the payer without claim numbers. Fifty percent of this number, or twenty-five percent of the total, typically do not match any injury within the payer's claim system. Bills lacking claim numbers cause a great deal of difficulty for the payer's bill-

verification systems, rendering them slow, duplicative, prone to error, and costly to administer.

5 In the current typical Workers' Compensation payment system, the process of producing claim numbers is often protracted. For example, the employer may not report the Workers' Compensation claim for a relatively long period of time and thus no claim number is set up, even though the injured worker has sought and received medical treatment. Thus, when the injured party goes to the provider, the provider is unable to find a claim number and has no choice but to produce a bill without the required claim number. This bill can take some time working its way
10 through the payer's system. Later the employer is prompted by the payer to report the claim.

In addition, when the payer's recognition of medical treatment of an injured worker is delayed because a claim number has not been matched to the medical bill or report, the report of injury by the employer, prompted by the payer, is typically
15 delayed. Slow reporting by the employer delays medical management by the payer and increases the cost of the claim. For example, in one study by a major Workers' Compensation insurer, the costs of a claim decreased three percent for each day that reporting was shortened between 21 to 7 days. Another large Workers' Compensation insurer found that claims reported within 10 days were
20 47% less costly than those reported in 31 days.

It is desired to produce an improved Workers' Compensation information processing system.

Summary of the Present Invention

25 One embodiment of the present invention is a Workers' Compensation claims verification system (workers' compensation claim number indexing system)

which includes software accessed at a provider computer. The software accessed at the provider computer is adapted to allow the provider to input data concerning a Workers' Compensation claim, the software being adapted to send an electronic claim number request containing identifying data to a Workers' Compensation claims verification system. The Workers' Compensation claims verification system is constructed to receive the data and determine therefrom any matching Workers' Compensation claim number. If there is a matching Workers' Compensation claim number, the Workers' Compensation claims verification system is adapted to electronically supply the matching Workers' Compensation claim number to the provider computer. If there is no matching Workers' Compensation claim number, the Workers' Compensation claims verification system is adapted to electronically report to the payer that a claim exists without a claim number.

Another embodiment of the present invention concerns a Workers' Compensation medical treatment reporting system including software accessed at a provider computer and electronic report-filtering software accessed at a payer computer. The software accessed at the provider computer is adapted to prompt the provider to input data concerning a Workers' Compensation claim. The software is adapted to send a Workers' Compensation medical treatment report electronically to a payer's computer. The electronic report-filtering software at the payer computer is adapted to direct the electronic report as a result of predetermined criteria. The electronic Workers' Compensation medical treatment reports that meet a human review criteria are sent directly to a case manager for review. Other electronic Workers' Compensation medical treatment reports are automatically directed to be processed.

Brief Description of the Drawings

Fig. 1 is a diagram of a Workers' claim-verification system of one embodiment of the present invention;

Fig. 2 is a flow chart that illustrates the operation of the Workers' claim-
5 verification system of Fig. 2;

Fig. 3 is a diagram of a Workers' Compensation medical treatment reporting system of one embodiment of the present invention; and

Fig. 4 is a flow chart that illustrates the operation of the Workers' Compensation medical treatment reporting system of Fig. 3.

Fig. 5 is a diagram of a Workers' Compensation system in which software
10 stored in the central Workers' Compensation server is accessed by a provider computer, a payer computer and an employer computer.

Fig. 6 is a diagram illustrating an electronic input form for a doctor's first report of an occupational injury or illness.

15 Figs. 7A and 7B show a formatted output of the doctor's first report of occupational injury or illness.

Fig. 8A shows an input form for the claim verification service of one embodiment of the present invention.

Fig. 8B illustrates a response to the provider of the claim verification
20 service of the Workers' Compensation system of one embodiment of the present invention.

Fig. 8C shows an alert E-mail which is sent to a payer in the case that Workers' Compensation claims verification service cannot find a Workers' Compensation claim number.

Fig. 9A is an inquiry E-mail form which can be input by the provider and sent through a Workers' Compensation server to a payer to check on the status of a Workers' Compensation bill.

5 Fig. 9B is an E-mail of the Workers' Compensation status check sent to payer.

Fig. 9C is a form which is accessed by the payer to give a response to a provider payment status inquiry in one embodiment of the present invention.

Fig. 9D is a response E-mail which is received by the provider in response to the payment inquiry.

10 Fig. 10A and 10B illustrate examples of web site pages from a Workers' Compensation system server in one embodiment of the present invention.

Fig. 11 is a diagram that illustrates an attachment system of the present invention.

15 Fig. 12 is a chart that illustrates one example of a renaming protocol of one embodiment of the present invention.

Fig. 13 is a illustration of a web page which can be used with one embodiment of the attachment system of the present invention.

Detailed Description of the Preferred Embodiment

20 One embodiment of the present invention provides an end-to-end Internet connectivity solution for the workers' compensation industry which eliminates phone, fax and mail transactions involved in medical treatment reporting, claims for payment, and payment for the services rendered.

This business system is made up of a number of discrete components or sub-systems. These components or sub-systems are described below.

1. Claims Verification (Claims Indexing, Automated Indexing or Auto-Indexing):
A system where a provider can electronically submit an injury description against a database of claim information and obtain a claim number. This system eliminates the current time-consuming manual process.
- 5 2. Early Notice of Loss: When an inquiry against the claims verification file results in "no claim found," the system automatically sends a notice to the payer advising the payer that an injury is being treated. This notice allows the payer to take appropriate action.
3. Attachment Processing: Many bills require an accompanying report known as
10 an attachment. Attachments are not standard forms. One embodiment of the system of the present invention allows the downloading of any type of form, which is given a unique identifier, to be transmitted to receiving software. This software then matches the bill and the attachment for further processing.
4. Report Triage System: The business system provides software which resides at
15 a user's site. This system directs incoming formatted reports and selects which reports are to be automatically routed to a case manager.
5. Payment Status Inquiry: This payment status inquiry replaces phone, fax and mail inquiries as to the present status of a workers' compensation bill.
6. Electronic Remittance Advice: Presently, for every bill which is submitted by
20 a provider and paid by the payer, a paper document is sent with the payment to the provider. The business system processes these different transactions and electronically converts them into a standard format, sorts by payer, aggregates and delivers to the payee (provider) where they can be automatically uploaded to post cash.
- 25 7. Electronic Report of Treatment and Treatment Plan: This part of the business system automates the completion and submission of injury treatment reports. It

contains a number of automated aids, as set forth in the description with the physician's full worksheets.

8. Electronic Bill Submission: This is a part of the overall business process.

9. Electronic Fund Transfer System: Once the bill has been processed and
5 authorization is obtained from both sides, the bills can be paid automatically with an electronic transfer between provider and payee.

Fig. 1 illustrates a Workers' Compensation claim verification system of one embodiment of the present invention. A provider computer 40 has access to
Workers' Compensation software which can be stored at the server or at the
10 provider computer. The provider can be a doctor, pharmacy or other medical professional. The provider computer is operably connected with the Workers' Compensation claim verification system 44. In a preferred embodiment, this connection is an Internet connection. Typically, multiple provider computers have
such a connection to a single Workers' Compensation claim verification system
15 44. Registered providers are provided with access to the Workers' Compensation claim verification software. The Workers' Compensation software prompts the provider to input data sufficient to identify a Workers' Compensation claim. This data includes name, social security number, and injury date. The injury date is
used to distinguish a particular injury claim for workers with more than one injury
20 claim. Additional data such as employer number and insurer name can also be provided. The user provides the necessary data to the Workers' Compensation claim verification system 44.

In a preferred embodiment, a number of different providers (not shown) are connected to the Workers' Compensation claim verification system 44. The
25 Workers' Compensation claim verification system 44 searches an associated database by querying it with the relevant data provided from the provider

computer. If a matching Workers' Compensation claim number is found, a claim number response is sent from the Workers' Compensation claim verification system back across the Internet to the provider computer 40. In one embodiment, the Workers' Compensation software from the payer computer uses the claim
5 number in the production of bills and medical treatment reports. If no matching Workers' Compensation claim number is found in the database, the Workers' Compensation claim verification system produces an indication to that effect. In a preferred embodiment, this indication is an early e-mail alert that is sent to the payer computer 46. Once a claim number is determined, this claim number can be
10 sent from the payer computer 46 to the system 44. Otherwise, the system 44 can be updated during the normal database update process.

Data for a number of payer computer systems is stored in the database for the Workers' Compensation claim verification system. The data for the database is preferably obtained from the payer. Bill review systems typically have contracts
15 with a number of different payers to review the bills, and thus would have information which would allow a match of a Workers' Compensation claim number with other relevant data. A payer computer 46 produces this data, and sends it to the bill review system's computers. The bill review system's computers can then provide the data to the Workers' Compensation claim verification system
20 which allows for interaction with the provider computers. Optionally, the data can be supplied directly from the payer's computer.

The Workers' Compensation claim verification system has a number of advantages. It allows for quick claim number response for the provider. The Workers' Compensation claim number can be obtained easily. This increases the
25 provider's likelihood of attempting to get a Workers' Compensation claim number.

Additionally, In one embodiment, the Workers' Compensation software includes medical report and billing software which automatically makes inquiry as to the Workers' Compensation claim number and inserts the claim number, once obtained, into reports and bills to be sent out. The system automatically attempts
5 to get a Workers' Compensation claim number whenever a report or bill is to be transmitted.

The advantage of the system of the present invention for the payer is that more of the reports and bills are received having a Workers' Compensation claim number attached. This reduces the number of unmatched bills and speeds up the
10 processing of the reports and bills. The correct bills can be paid quickly which reduces the problem of duplicate bills.

The Workers' Compensation claim verification system 44 is also not payer system dependent. Multiple payers' data can be stored in the Workers' Compensation claim verification system 44. The provider need only interface with
15 the Workers' Compensation claim verification system 44 rather than interfacing with a variety of different payers.

The system of the present invention speeds up the payment of bills to the provider, thus providing an advantage to the provider. The payer computer systems are more likely to be notified of a Workers' Compensation claim which
20 requires a Workers' Compensation claim number. This prompts the employer to more quickly report the incidents and for the providers to more quickly report their treatments. The total system costs for each claim can be reduced since the delay in the system is reduced.

Note that the Workers' Compensation inquiry sent to the Workers' Compensation claim verification system can be batched in some circumstances.
25

For example, for large-scale providers such as billing services, it makes sense to batch all inquiries until nighttime.

The Workers' Compensation claim verification system of the present invention can be arranged in alternate ways. If a large number of provider
5 computers and payer computers become associated with the Workers' Compensation claim verification system, the system in effect acts as a clearing house for a large amount of Workers' Compensation claim number data.

In another embodiment of the present invention, the payer's computer sends to the Workers' Compensation claim verification system computers a block
10 of unused Workers' Compensation claim numbers. The Workers' Compensation claim verification system then provides an unused claim numbers to the provider computer upon receiving a request. The verification system then sends an indication of the distributed Workers' Compensation claim number and other data concerning the claim to the payer computer. This embodiment has the advantage
15 that a claim number is sent to the provider as soon as possible. The downside of this embodiment is that it requires the Workers' Compensation claim verification system to carefully monitor the block of unused claim numbers to avoid fraud.

Another embodiment of the present invention is a system in which the Workers' Compensation claim verification system server contains software which
20 allows the provider computer and the payer computer to directly interface with one another. The provider computer and the payer computer obtains the software from the server as needed. The software preferably allows the provider computer to directly interface with the payer computer across the Internet. The downside of this system is that software updates need to be distributed to all the provider and
25 payer computers, which can be difficult and can cause compatibility problems and makes it harder to do software upgrades.

In one embodiment of the present invention, the Workers' Compensation claim verification system software can be directly loaded into a payer's computer. The provider can access the Workers' Compensation claim verification system software at the payer computer and this software allows the obtaining of a claim number by the provider directly from the payer computer. In that case, if no claim number is found, an indication is produced which causes the payer computer to produce a message to the payer distributing the Workers' Compensation claim numbers or sends an electronic message to the software which produces the Workers' Compensation claim numbers. This system also has the downside that it requires frequent software updates to distributed locations. For these reasons, the preferred embodiment of the present invention is one in which a centralized Workers' Compensation claim verification server is used to give the Workers' Compensation numbers to a provider computer as well as produce early updates of a lack of a claim number on a claim to the payer computer

Fig. 2 is a flow chart that illustrates the operation of the system of Fig. 1. In step 50, the provider, using the software program, sends an electronic inquiry request across the Internet to the Workers' Compensation claim verification system. In step 52 it is determined whether the inquiry refers to a claim number in the Workers' Compensation claim verification system's database. If so, in step 54, the claim verification system automatically sends an indication of the Workers' Compensation claim number to the provider. In step 56, the provider produces reports for the payer containing the correct Workers' Compensation claim number. In step 56, if the database does not contain the claim number, the claim verification system automatically sends an early alert message to the payer. In step 58, the payer prompts an employer to provide a claim incident report, submission of which allows a payer to assign a Workers' Compensation claim number.

Fig. 3 is a diagram that illustrates a Workers' Compensation medical treatment reporting system of one embodiment of the present invention. The provider computer 70, including the Workers' Compensation software 72, which can be downloaded from the server, produces electronic reports which are sent to the payer computer 74. In a preferred embodiment, these electronic reports are sent over the Internet. The Workers' Compensation software 72 prompts the user to input the required data for the medical treatment reports. Many states have different requirements, and the Workers' Compensation software can either request a superset of all the data required in each state or a request based upon the applicable state's laws. The data for the medical treatment reports can be automatically adjusted into the format required by each state's laws. The electronic reports preferably are given the Workers' Compensation claim number by the operation of the Workers' Compensation claim verification system of Fig. 1.

The payer computer 74 preferably contains an electronic report filtering software 76. This electronic report filtering software 76 examines the electronic reports automatically, based upon predetermined criteria, to determine whether a given medical treatment report should be sent to a human case manager or whether the bill should be automatically processed. The criteria used by the electronic report filtering system 76 is set based upon data input by the payers. In one embodiment, default criteria are used which can then be modified by the payers. For example, certain treatments, such as head-injury cases, would typically be flagged as requiring review by a human case manager 78. On the other hand, sprains and other such minor injuries would typically be flagged to be automatically processed without case manager review. Other criteria used can be based upon fraud statistics, the provider involved, and the seriousness of the cases. The electronic report filter software uses the predetermined criteria to examine the

medical treatment electronic reports for distribution. This can be done using Boolean logic formulas based upon the medical treatment report form inputs, where the electronic report filtering software will search, based upon the predetermined criteria, for reports to be sent to the case manager 78. This electronic report filtering software 76 provides the case manager with only the more relevant cases. This is an advantage because the case manager need not review the majority of reports which do not need human review. In one estimation, about 15% of the treatment reports should be reviewed by a case manager. A much greater number - the remaining 85% of the reports -- should be automatically sent for processing. The medical treatment reporting system of the present invention can substantially reduce the number of medical treatment reports that need to be reviewed by a case manager.

Fig. 4 is a flow chart that illustrates the operation of the system of Fig. 3. In step 90, the provider fills out a report form using software. The form contains all the required data fields. In step 92, the electronic report is sent to the payer. In step 94, the software at the payer examines the electronic report to automatically select reports to send to a human case manager. In step 96, the sorted reports are sent to the case manager for human review. Other reports are automatically sent to a payment department for payment.

Fig. 11 is a diagram that illustrates an attachment system of the present invention. Prior systems that electronically send attachment files have the disadvantage that it can be difficult to match the attachments with the bill. For example, consider the case of an X-Ray or magnetic resonance imaging (MRI) attachment files that are stored in a proprietary file format. A system routing the attachment files may not be able to open the file in the correct manner. This can

result in unmatched attachment files that require a significant amount of manual work to connect together.

One embodiment of the present invention is an attachment system that uses renaming software to rename the file title using information fields. The file title
5 then contains information that can be used by a receiving software system to route and handle the attachment file.

Looking at Fig. 11, the renaming software 200 receives the file, in this case named "Report.doc." The renaming software 200 prompts the user to input data which is used in the renaming of the file. The data preferably contains
10 information that allows the receiving software 202 to automatically route the attachment to the correct place and maintain the attachment of the file to another electronic file such as an electronic bill. In the example of Fig. 11, the renaming software produces a renamed file title using input data. The file title includes a
15 number of different fields which contain important information to allow the attachment of the attachment file to a main file such as an electronic bill. Other data, such as data from the bill or other reports, accessible by the renaming software, can also be put into some of the data fields of the file name.

Fig. 12 illustrates an example of an attachment name protocol which is implemented by the renaming software. The file extension (.doc, .rtf, .txc, etc.) is
20 not affected by the renaming software. By not changing the file extension, the system allows the software that operates upon the different file types to be unaffected by the renaming. In addition to the file extension, additional data fields are used by the renaming software. The field data can be used to identify the attachment in a uniform manner. The data in the fields is sufficient to identify
25 the attachment file to a bill.

In one embodiment, many of the fields are useful to identify healthcare-type attachments. Attachment that can be used in healthcare can include reports, X-Rays, and the like. In one embodiment of the present invention, the Workers' Compensation claim number field is provided. This allows a Workers' Compensation claim number to be produced in a field of the attachment's name, thus allowing for the easy identification of the claim number to the attachment. Other fields that can be used include a payer ID field, a patient security number field, date of injury field (useful to distinguish multiple Workers' Compensation injuries for a single patient), a date of service field that indicates the date of the medical services provided, a type of service field, a provider ID field, a submit date and time field that acts as a time-stamp which can distinguish between identical copies of an attachment submitted at different times. The payer name, payer address and payer city, state and ZIP fields allow for the mailing of the attachment to the payer if there is no electronic connection made with a given payer. The type-of-document field helps the receiving software route the document in the correct manner. Also, a primary diagnosis code field is provided indicating the primary diagnosis. Not all of these fields need to be used with the present invention. The attachment system of the present invention can be used not only for the Workers' Compensation systems but could also be used for the larger healthcare attachment files or even other types of insurance attachment files. These areas also have the problem of electronic files which need to be associated with a main file such as an electronic bill.

In a preferred embodiment, the different fields are separated by a delimiting character such as an underline (_). This allows the fields to have a variable length as well as allowing for the omission of non-critical data field information.

Looking again at Fig. 11, the renaming software can be located at a provider computer. The renaming software will then prompt the user to input data into the required field, or the data which was previously input for different forms can be automatically input using the renaming software. In one embodiment, the receiving software 202 is the server which receives the renamed files and can route them using the data in the fields of the renamed file.

In an alternate embodiment of the present invention, the renaming software is at a web site on the server which has an Internet interface to the provider computer. The provider computer can input information to this web site as well as give an indication of the attachment. The client software at the provider renames the file, then transfer it to the server, or alternatively the files can be received with the original name and renamed at the server. The receiving software 202 can be located at the server or at a payer location.

Fig. 13 illustrates a web page for the attachment submission in one embodiment of the present invention. This embodiment shows the use of input fields, pull-down menus and the like to rename an attachment file.

Additional bill attachment embodiments also could be used. One embodiment identifies batches of files for routing not using a file name but producing an accompanying batch document that identifies the attachments. The batch document includes the necessary specifications for the delivery, linking and tracking of the attachment file. The file name for each attachment is a record in the batch document.

Another embodiment of the present invention is a system in which an accompanying document that identifies the file and provides the necessary specifications for the delivering, linking and tracking of the attachment documents. The file name for each attachment is a record in the file document. Each

attachment is a single document with header information for purposes of delivery, linking and tracking.

Each of these alternate embodiments uses a separate element, such as a document or batch identifying information, to identify the attachments. The
5 downside of these alternate embodiments is that it requires such additional elements. For these reasons, the use of the file name as the attachment file identifier is the preferred embodiment.

Fig. 5 illustrates an embodiment of the present invention in which a Workers' Compensation server is accessible across the Internet by a provider
10 computer, payer computer, and employer computer. The Workers' Compensation server contains software accessible by the provider computer, payer computer, and employer computer across the Internet.

For example, the provider computer 100 accesses the Workers' Compensation server 102 across the Internet. If a claim verification service is to
15 be used, the user at the provider computer accesses claim verification service software 104 at the Workers' Compensation server. This can be done after a log-in to identify the provider to the Workers' Compensation server. An electronic form is sent to the provider computer, allowing the provider to input a claim number request. The claim number request is sent to the Workers' Compensation
20 server which checks the database 106. If a claim number is found, the indication of the claim number is sent to the provider computer 100. This indication can be a dynamically produced web page indicating the claim number. If no claim number is found, an E-mail notification can be sent to the payer computer as an alert. The E-mail notification alerts the payer that a claim number is needed. The provider
25 is also notified that no claim number is found.

Payer computer 108 interacts with the employer computer 110 through the server as well. For example, the employer computer 110 has access to an injury incident report service 112. The provider computer 100 also has access to the doctor report service 114. The doctor report service 114 prompts the provider
5 computer to input information sufficient for the doctor's first report of injury or illness. Such a report should include the employer, the date of injury and a description of the injury. This prompting is done such that the reports are sufficient for legal requirements in the specific locality. The formatted reports are sent to the payer computer 108 and employer computer 110. The provider
10 computer 100 also has access to a bill report service 116. The bill report service allows the provider to input a bill, which is then sent to the correct recipient computer. This could be the payer computer 108 or, in an alternate embodiment, a bill review computer of a bill review service.

The attachment file service 119 is software that handles the association of
15 attachment files with the bills. An example of the attachment file service is described with respect to Figs. 11-13. The provider computer uses the bill status service software at the Workers' Compensation server 102 to automatically do a bill status check. The software at the Workers' Compensation server formats the user's inquiry and provides a report to the payer computer. This report could be,
20 for example, an E-mail with a link to a dynamically created web page which allows the payer to select a reason why a certain bill has not been paid. Then a response report is sent to the provider computer 108 either through the Workers' Compensation server 110 or with an E-mail message.

Note that additional services can be provided by the Workers'
25 Compensation server 102. The advantage of having the Workers' Compensation system software at the Workers' Compensation server is that it facilitates the

system's use with multiple provider computers, payer computers and employer computers.

5 The Workers' Compensation server can also contain an electronic remittance advice service 121. Typically in the healthcare field, if a bill is not fully paid, the insurer will produce an explanation of benefits which will list, for each billed item, the reasons why not all of the charge has been paid. In one embodiment of the present invention, an electronic remittance advice service 121 is contained at the Workers' Compensation server 120. This electronic remittance advice service allows for a uniform system that payers can produce a
10 standardized remittance advice input which can be then sent to the provider. The electronic remittance advice can be sent in electronic form to the provider computer 110. By providing the electronic remittance advice in electronic form, quick modification by the provider computer is made possible so that the electronic text of the explanation of benefits can be used to produce a supplemental bill. This
15 supplemental bill is sent to a third party, or resent to the payer. The data in the electronic remittance advice simplifies the creation of such a supplemental bill. For example, if only half the fees for an X-Ray are paid and this information is contained in the electronic remittance advice, software at the provider computer can easily attempt to obtain the other half of the cost in a rebilling. In
20 conventional systems, a hard copy of the explanation of benefits is sent and a keyboarder at the provider computer needs to retype the information based upon the explanation of benefits in order to produce any supplemental bill.

In one embodiment, an additional service provided by the Workers' Compensation server is an electronic payment service. When both the provider
25 and the payer computer send signals indicating that the payment of the bill is desirable, the Workers' Compensation server sends a signal to a third party's

electronic payment system such as those maintained by banks to automatically make the electronic payment between the payer system and the provider. By centralizing some of the electronic payment service at the server, the payer computer and provider computer need not interface with this third part payment system directly.

A number of subsystems can be implemented on the Workers' Compensation server. Reports can be preformatted and automated and drop-down menus provided. The data field can be linked to the database in a manner such that data input into the fields of the reports can be stored in the database 106 for data mining. For example the data input to the Workers' Compensation server can be stored in the database 106 associated with its field identifier. Thus, the primary diagnosis code data is associated with the identifier which is "primary diagnosis code." This allows the server to be a source of reports and other data-mining operations.

The Workers' Compensation server allows for storage, retrieval, and secure distribution of information. It also allows for the automated access to diagnosis treatment guidelines and prescription creation data. For example, if the diagnosis code is entered by the provider in a report, data can be sent from the Workers' Compensation server to indicate suggested treatments and suggested prescriptions. These guidelines can be either standardized guidelines or payer-suggested guidelines. Thus, if a provider inputs a report having a certain diagnosis code and a certain payer ID code, the payer's guidelines for that diagnosis code can be automatically sent to the provider.

Figs. 6-10 illustrate the operations of one embodiment of the present invention.

Fig. 6 illustrates a web page which is accessed at the provider computer for inputting a doctor's first report of an occupational injury or illness. The report will prompt the user to include the necessary information required for each state's doctor's first report. This prompting can be done by the provider computer 110
5 accessing software stored at the Workers' Compensation server 102, or by the provider computer 110 downloading software from the Workers' Compensation server 102.

Figs. 7A-7D illustrate a formatted doctor's report. The formatted doctor's report is produced by the system of one embodiment of the present invention and
10 is automatically sent to the payer and employer computers based upon input provided by the provider at the provider computer for the doctor's first report of occupational injury or illness.

Fig. 8A illustrates a Workers' Compensation claim verification service input electronic form which is provided to the provider computer. The provider
15 accesses a web page which allows the input of information to identify a Workers' Compensation claim. The Workers' Compensation claim verification service then checks a database to determine the Workers' Compensation number corresponding to this claim. Fig. 8B illustrates the resulting web page based upon the input made by the provider. This result page includes the claim number which can be
20 used by the provider in the bills and reports. Fig. 8C illustrates an alert E-mail which is sent by the Workers' Compensation server 102 to the payer computer to notify the payer of the potential problem due to lack of a Workers' Compensation number assigned to a claim.

Fig. 9A illustrates an inquiry form E-mail which is accessible by a provider
25 computer 110 from a Workers' Compensation server 102. The system allows the user at the provider computer to input information identifying a bill and request a

status for the bill. The Workers' Compensation server 102 then produces an E-mail as shown in Fig. 9D which is sent to the payer computer. In this embodiment, the received E-mail includes a link with a Universal Resource (URL) that instructs the Workers' Compensation server 102 to produce a dynamically
5 created response form. The dynamically created response form allows the payer to input information concerning the status of the bill. In an alternate embodiment, the system can automatically search the payer computer database to determine the status of the bill. Once the payer inputs a response, a response E-mail is automatically created and sent to the provider computer.

10 Figs. 10A and 10B illustrate sign-in pages for one example of a web page operating the Workers' Compensation server system of the present invention.

While the above is a complete description of the preferred embodiments of the present invention, various alternatives, modifications and equivalents can be used. It should be evident that the present invention is equally applicable by
15 making appropriate modifications to the embodiment described above. For example, the Workers' Compensation software accessed by the provider computer and the software at the payer computer need not be physically located at the provider computer and payer computer, respectively. A distributed computing system, such as, computing across the Internet, could be used so that some or all
20 of the calculations of the software are done at a remote server. Therefore, the above description should not be taken as limiting the scope of the invention, which is defined by the appended claims.

Claims:

1. A system comprising:
software accessed at a provider computer, the software adapted to prompt the provider to input data concerning a workers' compensation claim, the software adapted to send an electronic claim number request containing at least some of the data across the Internet to a workers' compensation claim verification system; and
a workers' compensation claims verification system adapted to receive the at least some of the data and to determine therefrom any matching workers' compensation claim number, if there is a matching workers' compensation claim number, the workers' compensation claims verification system is adapted to electronically supply the matching workers' compensation claim number to the provider computer, if there is no matching workers' compensation claim number, the workers' compensation claims verification system is adapted to produce an indication of the lack of the workers' compensation claim number.
2. The system of Claim 1 wherein the indication is an early-alert message from the Workers' Compensation claims verification system to a payer computer.
3. The system of Claim 1 wherein the indication is a signal to other software systems co-located with the workers' compensation claims verification system.
4. The system of Claim 1 wherein the workers' compensation claims verification system electronically requests a workers' compensation claim number from a payer computer.

5. The system of Claim 1 wherein the software accessed at the provider computer is part of a workers' compensation medical treatment reporting system.

6. The system of Claim 1 wherein the software accessed at the provider computer is adapted to use the workers' compensation claim number obtained from the Workers' Compensation claim verification system to produce medical treatment reports including the Workers' Compensation claim number.

7. The system of Claim 1, further comprising multiple providers, each having a provider computer containing Workers' Compensation software, each of the provider computers being operably connected to the Workers' Compensation claim verification system across the Internet.

8. The system of Claim 1, wherein the Workers' Compensation claim verification system contains claim data for a number of payers.

9. The system of Claim 1, wherein the Workers' Compensation claim verification system is updated with data obtained from payer computers.

10. The system of Claim 1, wherein at least some of the data sent across the Internet includes name data, social security data, and injury date data.

11. The system of Claim 1, wherein the Workers' Compensation claim verification system is adapted to interface with a payer computer to request a Workers' Compensation claim number using a database at a server, and in response to a claim verification request from a provider computer received at the

server database, retrieve a claim number from the database and provide the claim number to the provider computer.

12. The system of Claim 11, wherein the Workers' Compensation claim verification system is adapted to receive claim numbers from any number of payer computers and match the payer claim numbers with claim verification requests received by the database from any number of provider computers.

13. The system of Claim 1, wherein the Workers' Compensation claim verification system received blocks of unassigned claim numbers from payer computers and the Workers' Compensation claim verification system, and assigns claim numbers to injuries from the blocks of unassigned claim numbers in response to claim verification requests received by the Workers' Compensation claim verification system from provider computers.

14. The system of Claim 1, wherein the Workers' Compensation claim verification system includes software that is adapted to allow a provider computer to access a payer computer, and payer computer to access the provider computer, for the purpose of requesting and supplying claim numbers.

15. The system of Claim 1, wherein the Workers' Compensation claim verification system is maintained at a payer computer.

~~16.~~ A workers' compensation medical treatment reporting system including:

software accessed at a provider computer, the software adapted to prompt the provider to input data concerning a workers' compensation claim, the software adapted to send an electronic workers' compensation medical treatment report electronically across the Internet to a payer computer; and

electronic report filtering software accessed at the payer computer, the electronic report filtering software adapted to direct the electronic report as a result of predetermined criteria, electronic workers' compensation medical treatment reports that meet a human review criteria are automatically sent to a case manager for review, other electronic workers' compensation medical treatment reports are automatically directed to be processed.

17. The Workers' Compensation medical treatment reporting system of Claim 16 wherein the predetermined criteria includes criteria based upon injury codes.

18. The Workers' Compensation medical treatment reporting system of Claim 16 wherein the predetermined criteria includes criteria based upon the injury severity.

19. The Workers' Compensation medical treatment reporting system of Claim 16 wherein the Workers' Compensation medical treatment report produced by the software is compliant with the regulations of the relevant jurisdiction.

20. The Workers' Compensation medical treatment reporting system of Claim 16 wherein the software accessed at the provider computer automatically sends an inquiry across the Internet to a Workers' Compensation claim verification

system in order to obtain a Workers' Compensation claim number for the Workers' Compensation medical treatment.

21. The Workers' Compensation medical treatment reporting system of Claim 16 wherein the criteria are such that the majority of Workers' Compensation medical treatment reports are not reviewed by a human case manager.

~~22.~~ A bill attachment system including:

re-naming software that identifies and renames an attachment file according to an attachment file name specification, the attachment file name having a file type extension and a number of additional fields, at least one of the additional fields indicating information that allows the attachment file to be matched to a bill without requiring the attachment file to be opened, and

receiving software that receives the files and uses data in the at least one additional field in the attachment file name to process the attachment file.

23. The bill attachment system of Claim 22 wherein the attachment files are associated with medical bills.

24. The bill attachment system of Claim 22 wherein one of the additional fields indicates a Worker's Compensation claim number.

25. The bill attachment system of Claim 22 wherein one of the field types indicates payer ID.

26. The bill attachment system of Claim 22 wherein one of the fields indicates a patient's social security number.

27. The bill attachment system of Claim 22 wherein one of the fields indicates the date of service provided.

28. The bill attachment system of Claim 22 wherein one field of the file name indicates the type of service.

29. The bill attachment system of Claim 22 wherein one field of the file name indicates a provider ID.

30. The bill attachment system of Claim 22 wherein one field of the attachment file name indicates a provider name.

31. The bill attachment system of Claim 22 wherein one field of the attachment file name concerns the diagnosis code.

32. The bill attachment system of Claim 22 wherein one field of the attachment file name indicates the type of the document, this field being distinct from the file type extension.

33. The bill attachment system of Claim 22 wherein one field of the attachment file name indicates time-stamp information.

34. The bill attachment system of Claim 22 wherein the attachment file names include field delimiter characters.

35. The bill attachment system of Claim 22 wherein the renaming software is located at a central server.

36. The bill attachment system of Claim 22 wherein the renaming software is located at a provider computer.

37. The bill attachment system of Claim 22 wherein the receiving software is located at a provider computer.

38. The bill attachment system of Claim 22 wherein the receiving software is located at a central server location.

39. The bill attachment system of Claim 22 wherein the bills are electronic bills.

40. The bill attachment system of Claim 22 wherein the electronic bills include a field to indicate the existence of one or more attachments.

41. The bill attachment system of Claim 22 wherein the renaming software prompts a user to input the data for the additional fields.

42. A bill attachment system including:

re-naming software that provides electronic file names having file header identifying information, containing a unique and singular electronic delivery file name for an attachment, such software allowing for files that need not be opened, viewed or printed, and permitting linking, routing and tracking of file attachments with a primary document.

43. A bill attachment system including:

software to identify batches of files for routing that does not use the file name but uses an accompanying batch document that identifies the attachments and includes the necessary specifications for delivery, linking and tracking, the file name of each attachment being a record in the batch document.

44. A bill attachment system comprising:

software to identify a single file for routing that does not use a file name but uses an accompanying document that identifies the file and includes the necessary specifications for delivery, linking and tracking, the file name of each attachment being a record in the file document, each attachment being a single document with header information for purposes of delivery, linking and tracking.

45. A workers' compensation system including:

an injury report system operably connected between a provider computer system and payer computer system, the injury report system allowing for the electronic production of injury medical reports to the payer computer system;

a workers' compensation claims verification system operably connected between a provider computer and a server, the workers' compensation claims

verification system allowing an electronic determination of a workers' compensation number;

a bill submission system at the server operably connected to electronically receive bills from a provider computer system; and

a payment status system operably connected between provider computer system and a payer computer system allowing the status of the submitted bills to be checked.

46. The system of Claim 45 wherein the bill submission system receives bills from the provider computer system.

47. The system of Claim 45 wherein a server contains the software to implement the injury report system, Worker's Compensation claim verification system, bill submission system and payment status system.

48. The system of Claim 45 wherein the bill submission system sends a bill to a payer computer system.

49. The system of Claim 45 wherein the injury report system provides the injury medical reports to the employer computer system.

50. The system of Claim 45, further comprising an automated reporting system operably connected between a payer computer system and an employer computer system, the automated reporting system allowing for the electronic production of injury incident reports.

51. A workers' compensation injury report system comprising:
a server accessible across the Internet to a provider computer system, to a payer computer system and to an employer computer system, the provider computer system accessing injury report system software and prompting the input of report data into fields of an electronic form, the prompted report data fields including data fields sufficient for a workers' compensation injury report, the prompted data fields including employer name, injury date and injury type data fields, wherein the injury report system produces a report from the input data and sends the report to the payer computer system and to the employer computer system.

52. A workers' compensation system including:
a bill submission system on a server, the server accessible across the Internet to multiple provider computer systems and to multiple recipient computer systems, a provider computer system accessing the bill submission system and entering data into an electronic form, the bill submission system providing the bills to the recipient computer system; and

a payment status system on the server operably connected between the multiple provider computer systems and multiple payer computer systems, the payment status systems allowing the checking of submitted bills' status.

53. A workers' compensation system including:
a bill status service stored on a workers' compensation server, the bill status service server software interacting with a provider computer and a payer computer, the bill status service server including a web page at the workers' compensation server accessible by the provider computer that allows the user at

the provider computer to produce an inquiry concerning a bill status, the workers' compensation server producing a message to a payer computer which allows a user at the payer computer to access a web page which allows for input of standardized responses to a bill status inquiry, the workers' compensation server producing a message to the provider computer concerning the response to the bill status inquiry.

54. The workers' compensation system of claim 53 wherein the worker's compensation server produces information relating to the inquiries, responses and messages.

Abstract

A Workers' Compensation claim verification system uses software accessed at a provider computer. The software checks a centralized Workers' Compensation claim verification system to obtain a Workers' Compensation claim number for use in forms and the like. This eases obtaining of a Workers' Compensation claim number for the provider.

5

CLAIM VERIFICATION SYSTEM

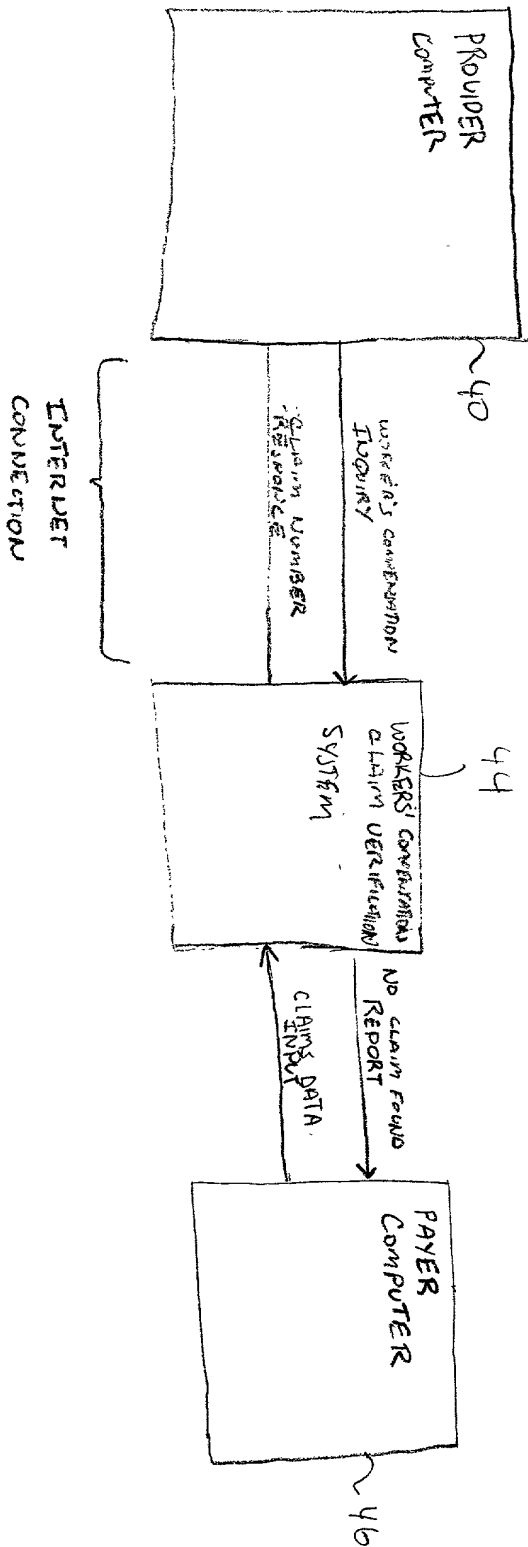


FIGURE 1

PROVIDER USING SOFTWARE
PROGRAM SENDS AN
ELECTRONIC INQUIRY
REQUEST ACROSS INTERNET
TO CLAIM VERIFICATION
DATABASE SYSTEM

~ 50

52 ~
? CLAIM IN
DATABASE?
NO
YES

54 ~
CLAIM VERIFICATION DATABASE
SYSTEM AUTOMATICALLY
SENDS INDICATION OF
WORKERS' COMPENSATION
CLAIM NUMBER TO
PROVIDER

56 ~
PROVIDER CAN NOW
PRODUCE REPORTS FOR
PAYER CONTAINING CORRECT
WORKERS' COMPENSATION
CLAIM NUMBER

~ 56
CLAIM VERIFICATION DATABASE
SYSTEM AUTOMATICALLY
SENDS REPORT TO
PAYER

~ 58
PAYER PROMPTS EMPLOYER
TO REPORT INJURY

FIGURE 2

WORKER'S COMPENSATION
MEDICAL TREATMENT REPORTING

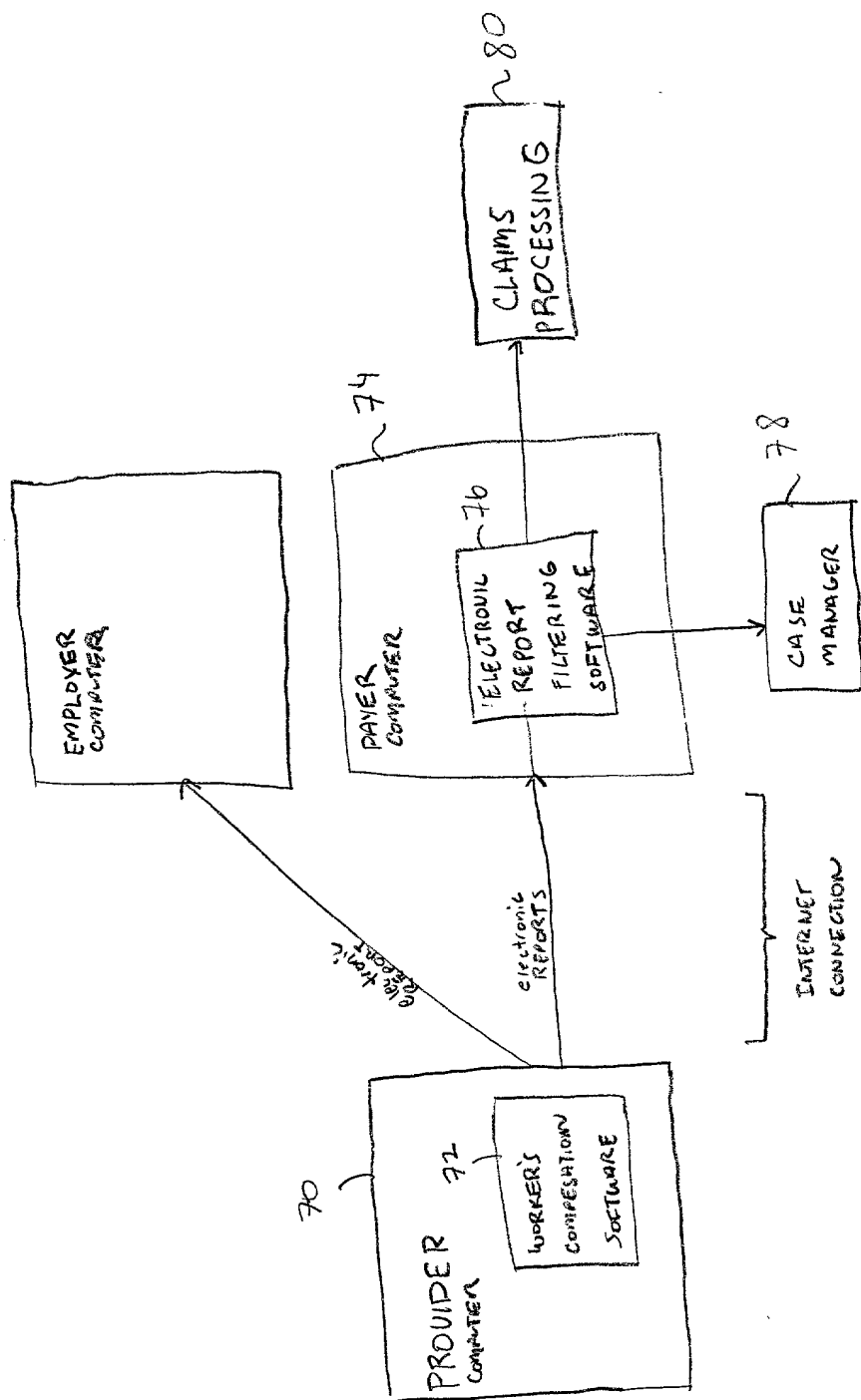


FIGURE 3

SCANNED 7

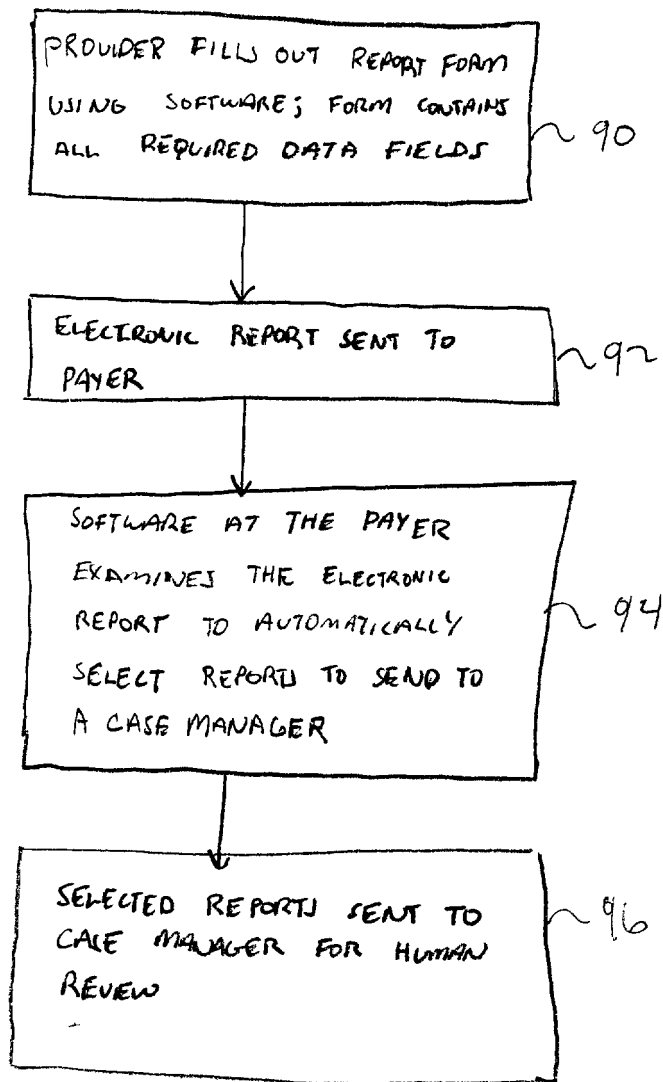


FIGURE 4

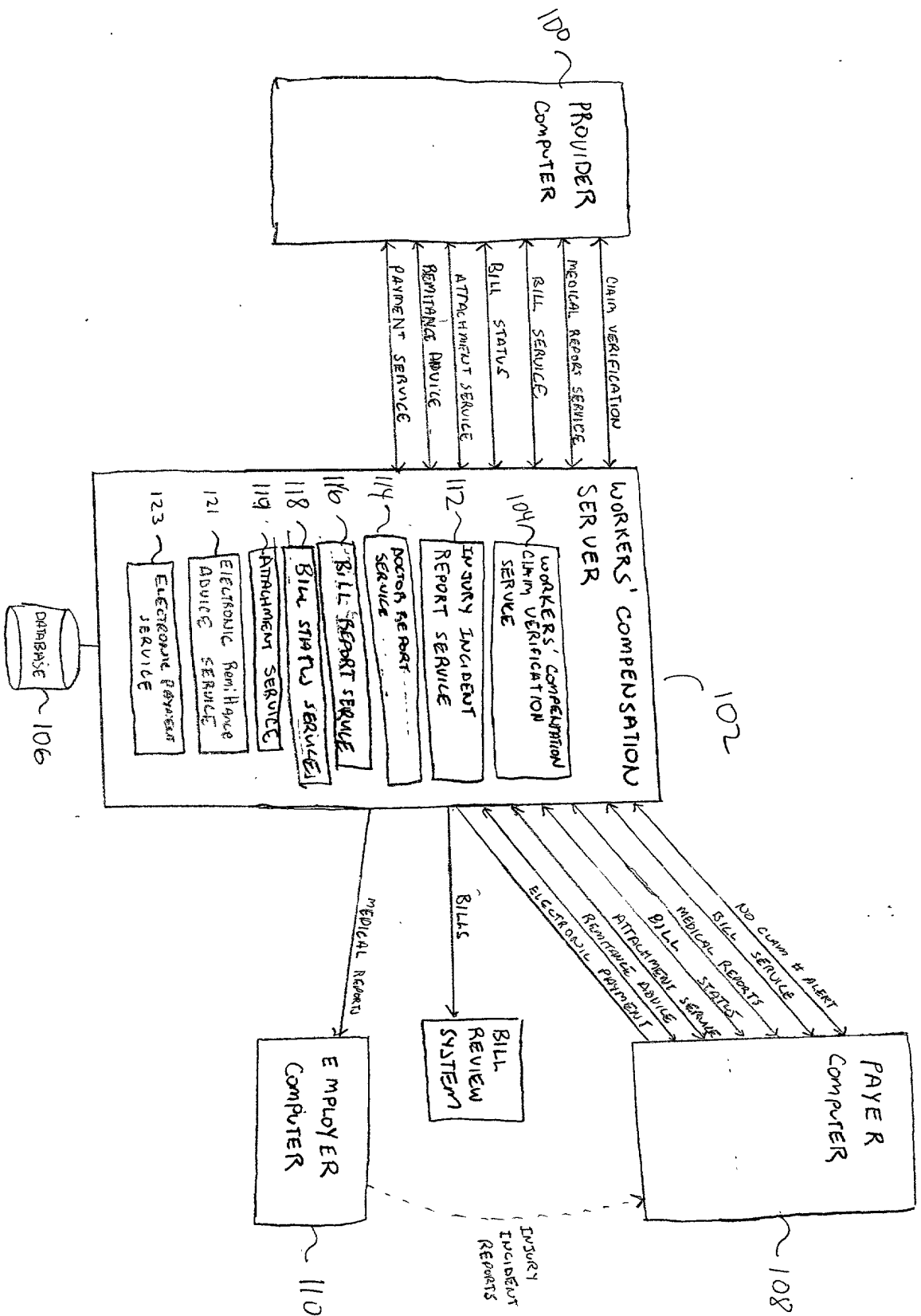


FIGURE 5

First Report (Input Form)

Main Form: 10/21/99 10:11:01 AM
 Main Form: 10/21/99 10:11:01 AM
 Main Form: 10/21/99 10:11:01 AM

Patient	History	Findings	Diagnosis	Treatment	Work Status	User Fields
Patient Information: LName: ANDERSON FName: JIM SSN: 494-94-9494 DOB: 10/16/1999 Report Date: 10/21/1999 Injury Information: 12. Injured at Address: 234 CONTRA COSTA BLD City: CONCORD State: CA Zipcode: 94549-3003 County: CONTRA COSTA 13. Date and hour of injury or onset of illness: 10/16/1999 08:00 AM PM 14. Date Last Worked: 10/16/1999 15. Date and hour of first examination or treatment: 10/17/1999 09:00 AM PM 16. Have you (or your office) previously treated patient? Yes No 16a. Treated under any health plan for this incident? Yes No 16b. Health Plan Name: BLUE CROSS 17. Patient's Description of how the Accident or Exposure Occurred: A. Description: "LIFTING A BOX FROM THE FLOOR, WHEN I FELT SHARP BACK PAIN" B. Relevant Past History: RECURRENT LUMBAR/SACRAL STRAINS C. Description of present occupational duties: Heavy Lifting D. Relevant leisure activities: WEEKEND FOOTBALL, SKIING, SAILING E. Does employee have 2nd job? Yes No If yes, Employer Name: MT ROSE SKI RESORT						

for Workers' Compensation

Save OK Validate View Print Ok to Send Suspend Delete Cancel

Doctor's First Report
 Start StellarForm5021 - Microsoft...

StellarNet Worker's Compensation
 10/21/99 10:11:01 AM

FIGURE 6

10:18 AM

Report Page 1

STATE OF CALIFORNIA

Form Copy
FIM 0199

DOCTOR'S FIRST REPORT OF OCCUPATIONAL INJURY OR ILLNESS
Form ID: INS00010000002

Page 1 of 2

1. INSURER NAME AND ADDRESS

INSURER NAME: ZENITH, 123 COAST DRIVE, SAN FRANCISCO, CA 94403333
Telephone Number: 415-393-3939

1b. Chain #

REPORT DATE
10/17/1999

2. EMPLOYER NAME

LUCKY STORES
234 MARINA WAY
Polly Number: 409-4094

City

State

Zip

Telephone #

3. PATIENT NAME

JIM ANDERSON
6. Sex
☒ Male ☐ Female

City

State

Zip

Telephone #

4. ADDRESS

1744 BELIEZ VALLEY RD
LAFAYETTE
CA 94508888
925-838-3838

City

State

Zip

Telephone #

5. OCCUPATION

FOURTEEN CLERK
10/20/1994

City

State

Zip

Telephone #

6. INJURY

234 CONTRA COSTA BLD
10 16
10 16
10 16

City

State

Zip

Telephone #

7. PATIENT'S DESCRIPTION OF HOW THE ACCIDENT OR EXPOSURE OCCURRED:

A. Description: LIFTING A BOX FROM THE FLOOR, WHEN I FELT SHARP BACK PAIN.
B. Relevant Past History: RECURRENT LUMBOSACRAL STRAINS
C. Description of Present Occupational Duties:
Heavy Lifting
D. Relevant Leisure Activities: WEEKEND FOOTBALL, SKIING, SAILING
E. Does Employee have 2nd job? ☐ Yes ☐ No If yes, Employer Name: MT ROSE SKI RESORT

8. SUBJECTIVE COMPLAINTS:

A. Description: SHARP LOW BACK PAIN
B. Symptoms:
Body Part: Lower Back
Onset: Sudden
Quality: Sharp
Frequency: Constant
Severity: Moderate
Precipitating Activities: Lifting/Pushing/Shifting

9. OBJECTIVE FINDINGS:

A. Vital Signs:
BP: 120/80
HT: 58
WT: 190
Pulse: 78
Temp: 98.6
Resp: 18
min

B. Focused Physical Exam:
45 DEGREES LUMBAR FLEXION WITH POSITIVE RIGHT STRAIGHT LEG RAISE AT 60 DEGREES
C. X-Ray and Laboratory Results:
NONE

10. DIAGNOSIS:

A. Description: ☐ Yes ☒ No
B. ICD9 Codes: 8460

11. ARE FINDINGS AND DIAGNOSIS CONSISTENT WITH PATIENT'S ACCOUNT OF INJURY OR ONSET OF ILLNESS?

☐ Yes ☒ No

12. OTHER RELEVANT DIAGNOSIS:

A. Description: ☐ Yes ☒ No

13. ADDITIONAL COMMENTS:

A. Did cause or contribute to the injury or illness? ☐ Yes ☒ No ☐ Cannot determine
If no or cannot determine, explain:

FILED
7A

Report Page 2

--- CONTINUED DOCTOR'S FIRST REPORT OF INJURY --- ANDERSON, JIM 484-94-9484

Page 2 of 2

B. Is the patient permanent and stationary? ☐ Yes ☒ No If Yes, Date: 11/05/99
C. If no, estimated permanent and stationary date: 11/05/99
D. Is permanent disability anticipated? ☐ Yes ☒ No

22. IS THERE ANY OTHER CURRENT CONDITION THAT WILL DELAY PATIENT'S RECOVERY? ☐ Yes ☒ No

If yes, explain: Please specify to name body part

23. TREATMENT RENDERED:

A. First Aid: ☐ Yes ☒ No

B. Treatment Date: 10/17/99 Treatment: OFFICE/OUTPATIENT VISIT, BST C. Procedure Codes: 99212

D. Instructions to Patient: ERGONOMIC EDUCATION, HEAT AND LOW BACK EXERCISES

E. Referrals:

F. Disability status: Discharged as cured, with no need for further medical care? ☐ Yes ☒ No

G. If discharged, Discharge Date:

24. IS FURTHER TREATMENT REQUIRED? ☐ Yes ☒ No B. Physical Therapy: 2 per week for 3 weeks

A. Medication: VICODIN CPT Code:

C. If Surgery, Type:

D. Diagnostic Test:

E. Estimated Duration of Treatment: 25 days F. Return VMI Interval: ONE WEEK

G. Recommended Referrals:

H. Treatment Plan, Other:

25. IF HOSPITALIZED AS INPATIENT, Give Hospital Name and Location: Date Adm: Mo Day Yr Est Stay: Days

26. WORK STATUS:

A. Is Patient able to Perform Usual Work? ☐ Yes ☒ No

B. If not, date when patient can return to Regular Work: 10/20/99

C. If not, date when patient can return to Modified/Transitional work: 10/20/99

D. Restrictions: Sp. with functional limitations: frequency and weight restrictions based on an 8 hour work day:

Key (U)nable, (S)houldn't, (O)ccasional 1-33%, (F)requent 34%-60%, (C)ontinuous 61%-100%

Activity

Repetitive Motion

Lifting/Pulling/Pushing

Lifting/Pulling/Pushing

Lifting/Pulling/Pushing

Lifting/Pulling/Pushing

Lifting/Pulling/Pushing

Lifting/Pulling/Pushing

Lifting/Pulling/Pushing

Lifting/Pulling/Pushing

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Lifting/Pulling/Pushing

Lifting/Pulling/Pushing

Any person who makes or causes to be made any knowingly false or fraudulent material statement or material representation for the purpose of obtaining or denying workers' compensation benefits or payments is guilty of a felony

E. Return Status Narrative: ☐ Yes ☒ No

F. Is employee likely to become a Qualified Injured Worker? ☐ Yes ☒ No

27. Doctor's Name and Degree: CLIFF L. WILSON, MD

Facility Name: FIRST CARE

Address: 123 TAYLOR ST., LARAVETTE, CA 94568880

PPO Network:

IR# #: 309314481

CA License #: CA238192483

Specialty: OCC/MED

Doctor's Telephone #: 925-384-8305

<<< DOCTOR'S SIGNATURE ON FILE AT DOCTOR'S OFFICE >>>

FIGURE 7B

Input Form

Claims Verification Service - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print

Address http://216.103.197.67/stellanel/patient/claim/verinput/claim_form.asp

Links [Best of the Web](#) [Channel Guide](#) [Customize Links](#) [Internet Explorer News](#) [Internet Start](#) [RealPlayer](#)

e-Stellanel

Claims Verification Service

Enter Patient details (All fields are required.)

Click here for batch verification.

Last Name :

First Name :

SSN :

Date of Injury :

Employer :

Payer Name :

[Back](#) [Home](#) [Demo Menu](#)

Start [Inbox](#) [Miscell](#) [Stellanel](#) [busine](#) [Claim](#) [Emploi](#) [Micros](#) [Paint S](#) [daily](#) [Internet zone](#) 10:15 AM

FIGURE 8 A

Result Page

Claims Verification Service - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print

Address http://216.103.197.67/stellarnet/patient/claim/verifyinput/Display_details.asp

Links [Best of the Web](#) [Channel Guide](#) [Customer Links](#) [Internet Explorer News](#) [Internet Start](#) [HeatPlayer](#)

e-StellarNet

Claims Verification Service

Patient details

Last Name: SMITH	First Name: Sue
SSN: 565340665	Date of Injury: 10/24/99
Employer: Railway Express	Claim Number: CA334848399
Payer Name: CSGG	Payer ID: WCO34
Status: <input type="radio"/> Accepted <input type="radio"/> Rejected <input type="radio"/> Delayed	

[Click here to perform another lookup.](#)

[Back Home Demo Menu](#)

Alert Email

E-SELLARNET EARLY CLAIMS ALERTTEST MAIL.....

File Edit View Tools Compose Help

From: support@estellarnet.com

Date: Saturday, December 04, 1999 1:22 AM

To: SUNNY@CSWL.COM

Subject: E-SELLARNET EARLY CLAIMS ALERT...+TEST MAIL.....

Date : 12/3/99

Last Name : BOYD

First Name : JOSEPH

Social Security : 554117231

Date of Injury : 04/27/99

Employer : MCMILLAN TECH

Payer : CMMC

Start

Inbox - 0

Exploring

Home

Microsoft

Demo

daily

C:\WIN

E-STE...

33388

11:58 AM

FIGURE 8C

Inquiry Email (Form)

e-StellarNet

Provider Payment Status Inquiry Email

An email will be sent to **SUNNY@CSWL.COM** in the following format

Medical Payment Status

Date : 12/6/99

From : Sunny Paul(sunny@cswl.com)

RE: Employee Name: BOBO NEIL

Employer Name: MARINE WORLD

Claim No: 610061029996195

SSN: 3897052260

Date of injury : 7/22/95

Please advise status on the following invoice:

Date of Service : 10/1/99

Account/Invoice no : 7A9832

Provider Name : Dr KEN ANDERSON

Provider TIN : CA1798321

Date of Invoice : 10/1/99

Bill Control Number : CMMAC10932

Comments : Thank you for your help

Send It Cancel

Back Home Demo Menu

Received Email

Provider Payment Status Inquiry

File Edit View Tools Compose Help

From: Sunny Paul
 To: SUNNY@CSWL.COM
 Subject: Provider Payment Status Inquiry

Date: Monday, December 06, 1999 8:14 PM

From: Sunny Paul(sunny@cswl.com)

To: SUNNY@CSWL.COM

Subject: Provider Payment Status Inquiry

MEDICAL PAYMENT STATUS

Date: 12/6/99

From: Sunny Paul(sunny@cswl.com)

Re: Employee Name : BOBO NEIL

Employer Name : MARINE WORLD

Claim No : 610061029996195

SSN : 389705260

Date of Injury : 7/22/95

Please advise status on the following invoice :

Date of Service : 10/1/99

Date of Invoice : 10/1/99

Account/Invoice no : 7A9832

Provider Name : Dr. KEN ANDERSON

Provider TIN : CA1798321

BILL CONTROL NUMBER : CMMC10932

Comments :

Thank you for your help

Click

<http://www.e-stellarnet.com/application/ingemail/response.asp?rdn=112>

to reply to this mail

Response Form

e-Stillborn.net

Provider Payment Status Inquiry - Response Email Form

To Medical Facility : sunny@cswl.com

Bill Control No.(BCN) : CMMC10932 (For future reference please use the above BCN)

The status of above invoice is:

- ☐ Our records indicate payment was released on 11/0/28/1999
- ☐ Our records indicate payment was paid in accordance with our contract agreement.
- ☐ No further payments are recommended
- ☐ Claim is currently under review for medical necessity
- ☐ Claim is currently under AOE/COE investigation.
- ☐ Claim was denied
- ☐ Necessity for this service is currently under review.
- ☐ No Policyholder Under This Name.
- ☐ We do not have coverage for this employer for this Date of Injury.
- ☐ No Industrial Injury Reported By Employer.
- ☐ Doctor's First Report Needed.
- ☐ Current Medical Report Needed.
- ☐ Itemized Statement Needed.
- ☐ Other _____

[Next Page](#) [Reset](#)

[Back Home](#) [Detail Menu](#)

Bill Control No (BCN) : CMIMC10932

Account/Invoice no : 7A9832
 Provider Name : Dr. KEN ANDERSON
 Date of Service : 10/1/199
 Claim Number: 610061029996195
 Date of injury : 7/12/1995
 SSN : 389705260
 Employee Name : BOBO NEIL
 The status of above invoice is:

Our records indicate payment was released on 10/28/1999.
SUNNY@CCSWL.COM
 Workers Compensation Medical Billing unit

Stellar Net Home Page



Internet solutions for the
workers' compensation community

The steps to secure Internet processing of claims/bills & workers' compensation (WC) reports are as easy as 1, 2, 3. Register today & get control of the Paper Tiger!

TO DO THIS (using SSL) GO HERE		RESULTS
1	Register on-line to submit bills and workers' compensation reports.	<input checked="" type="checkbox"/> Registration You will receive an email confirming your registration & instructions on how to get started submitting bills
2	After receiving email confirmation & instructions, submit bills from existing medical billing software.	<input checked="" type="checkbox"/> Submit Bills After bill submission, you will get an acknowledgement within 48 hours for your first submission; within 24 hours thereafter
3	After receiving email confirmation & instructions, download workers' compensation programs & instructions.	<input checked="" type="checkbox"/> Download W/C Programs After you download the W/C programs, a key will be sent that permits you to unlock the programs & use them
*SSL-Secure Socket Layer encryption		Secure transmission of data.

Click below for additional information:

- ☒ Fees
- ☒ Terms and Conditions
- ☒ Privacy Policy
- ☒ Description of 1500 Data Elements
- ☒ Description of Bill Submission & W/C Medical Reporting
- ☒ Payer Information & List of Electronic Payers/Receivers
- ☒ Provider Information
- ☒ Minimum System Configuration
- ☒ Glossary
- ☒ Demonstrations

Other Features:

Figure 10A

StellarNet On-Line Bill Submission Form

e-StellarNet[®] On-Line Bill Submission

Welcome to StellarNet's on-line bill submission page. Please complete the form:

1. If you are not registered, [click here to go to registration page.](#)
2. Registered members, proceed with bill submission:
 - a. Input your email address in the first box and click on "Report" to double check your membership status. If you are not registered, or if the email address is incorrect, you will get an error message.
 - b. To submit your bills use the "Browse..." button to select the name and location of the file(s) to submit. You can submit up to 3 files at one time.
 - c. To submit the bills, click "Upload file(s)" to submit bills

If you are a first time submitter, you will receive an acknowledgement back within 48 hours after you have submitted your first batch of bills. Thereafter, you will receive the acknowledgement back within 24 hours of submitting your bills.

Please press the TAB key NOT the ENTER key to move down. Use Shift TAB to move up.

Member

Upload

Password or

Email:

Files To Upload:

File 1:

File 2:

File 3:

Use browser's BACK button to return to previous page.

If you have any questions...

Call us at 415/882-5700, or Email us at twfast@bhm.net

Fluor 10 B

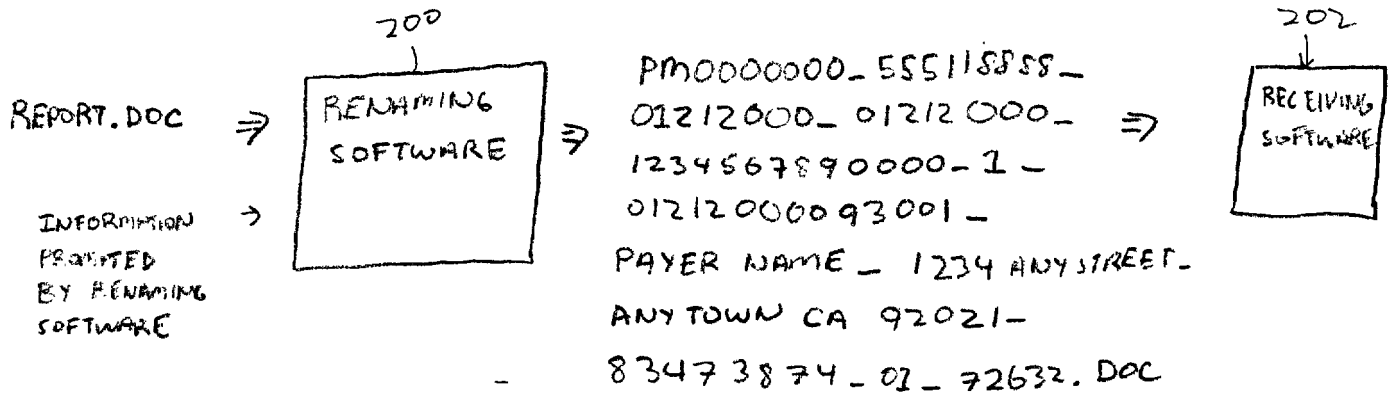


FIGURE 11

Field Name	Len	Type	Description / Example
Payer ID	9	Char	Electronic payer ID example: WACA02012. Print and mail payer ID is always PM0000000.
Patient's SSN	9	Char	Example: 123880000
Date of Injury	8	Char	MMDDYYYY Jan 20, 2000 example: 01202000
Date of Service	8	Char	MMDDYYYY Jan 21, 2000 example: 01212000
Type of Service	1	Char	1=Medical Care, 2=Surgery, 3=Consultation, 4=Diagnostic X-ray, 5= Diagnostic Laboratory, 6=Radiation Therapy, 7=Anesthesia, 8=Assistance at Surgery, 9=Other Medical Service, 0=Blood or Packed Red Cells, A=Used DME, F=Ambulatory Surgical Center, H=Hospice, L=Renal Supplies in the Home, M=Alternate Payment for Maintenance Dialysis, N=Kidney Donor, V=Pneumococcal Vaccine, Y=Second Opinion on Elective Surgery, Z=Third Opinion on Elective Surgery.
Provider Tax ID + Sub ID	13	Char	1234567890000 (use 0000 if not using sub ID)
Submit Date and Time	12	Char	MMDDCCYYHHMMSS Jan 22, 2000 9:30 01 am example: 01222000093001
Payer Name	25	Char	ABC WC PAYER
Payer Address	25	Char	100 MAIN STREET
Payer City State Zip	25	Char	BIG CITY NY 00030
Claim Number	28	Char	20303200223
Type of Document	2	Char	01=First Report, 02=Supplemental Report, 03=P&S Report, 04=QME, 05=Consult, 06=AME, 07=Entire File, 08=Diagnostic, 09=Chart Notes, 10=Pre-Authorization Request, 11=Referral Request, 12=Disability Status, 13=Surgical, 14=Ambulance, 15=Ancillary, 16=Home Care, 17=Other
ICD9	6	Char	Primary Diagnosis Code, no spaces no period on 5 digit codes.
Period	1	Char	. (also known as dot)
File Type	3	Char	Original file extension, DOC, RTF, TXT, etc.

FIGURE 12

E-StillarNet Report Upload Site - Netscape

File Edit View Go Communicator Help

Backwards Location <http://www.stellar.net.org/html/nci-reports.html> What's Related

On-Line WC Reports and Attachments Submission

Welcome to e-StillarNet's on-line report submission page. Please fill out this form completely for quick delivery to the proper administrator. [Democratio](#)
If you are not registered, [click here to register](#).

Please press the TAB key, NOT the ENTER key to move down. Use Shift TAB to move up.

Member Upload Password or Email:

Locate Local Zip File of All Attachment Files or
Single Attachment File to Upload

Only fill out these following fields if
sending a single, non-zipped, attachment file.

Payer ID:

Patient Social Security No:

Date of Injury:

Date of Service:

Provider Tax ID:

Type of Service Code:

Your Initials and ID:

Use browser's BACK button to return to previous page.

Document Done

FIGURE 13

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR UTILITY PATENT APPLICATION**

Attorney's Docket No.

032795-001

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

Workers' Compensation Information Processing System

the specification of which

(check one)

☒ is attached hereto;

☐ was filed on _____ as

Application No. _____

and was amended on _____;
(if applicable)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

COMBINED DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.

032795-001

COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES_ NO_
			YES_ NO_

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

William L. Mathis	17,337	R. Danny Huntington	27,903	Gerald F. Swiss	30,113
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	SIGNATURE
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